IEEE802.11b

11Mbps

CompactFlash Card

Quick Installation Guide

M73-APO01-560

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REGULATORY STATEMENTS

FCC Certification

The United States Federal Communication Commission (FCC) and the Canadian Department of Communications have established certain rules governing the use of electronic equipment.

Part15, Class B

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

1) This device may not cause harmful interface, and
2) This device must accept any interface received, including interface that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

CAUTION:

1) To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.
2) This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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SOFTWARE INSTALLATION FOR WINDOWS CE3.0

Connect your PDA to your PC. Make sure you have the Microsoft ActiveSync Utility installed on your PC to make an active connection.

Caution: **DO NOT** insert the Wireless CompactFlash Card into the PDA **BEFORE** installing the configuration utility.

1. Insert the device driver CD into the CD-ROM drive.
2. Open the **WINCE3.0** folder.

3. Inside the **WINCE3.0** folder, click on **PrismForPocketCE**.

For Handheld PC users: Please select **PrismForHandHeldCE**.

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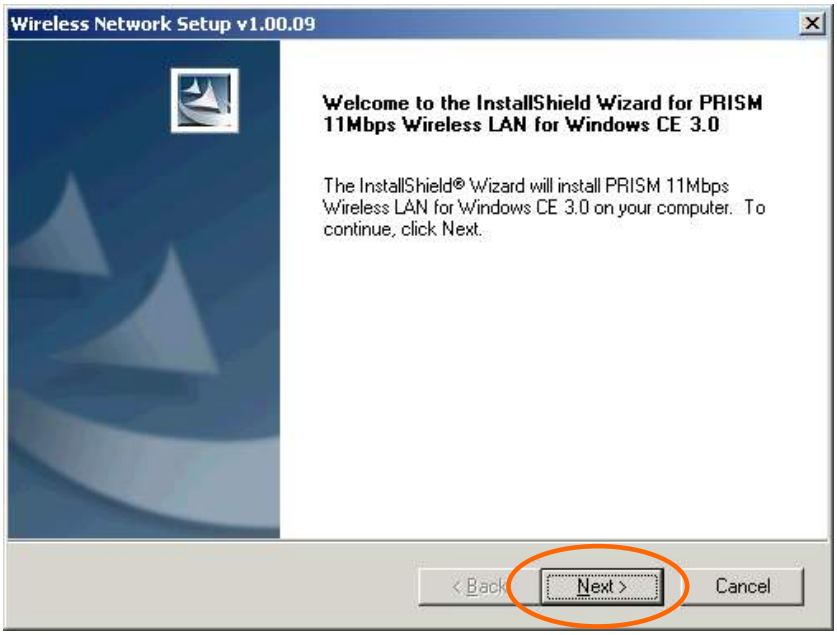
4. Click **Next** to continue.


Wireless Network Setup v1.00.09
Welcome to the InstallShield Wizard for PRISM 11Mbps Wireless LAN for Windows CE 3.0
The InstallShield® Wizard will install PRISM 11Mbps Wireless LAN for Windows CE 3.0 on your computer. To continue, click Next.
< Back
Next >
Cancel

5. Click **OK**.

Pending Application Install
On the next mobile device connection, the installed applications will be downloaded to the device.
OK

6. Click **Finish**.

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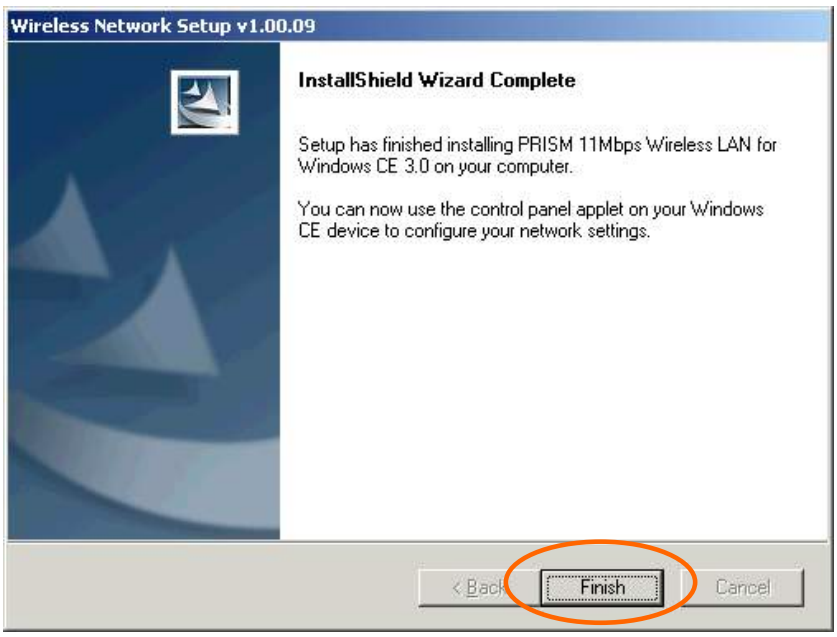
Wireless Network Setup v1.00.09
InstallShield Wizard Complete
Setup has finished installing PRISM 11Mbps Wireless LAN for Windows CE 3.0 on your computer.
You can now use the control panel applet on your Windows CE device to configure your network settings.
< Back
Finish
Cancel

7. You can now insert the Wireless CompactFlash Card into the PDA. Then use the **Settings** on your Windows CE to configure the network settings.

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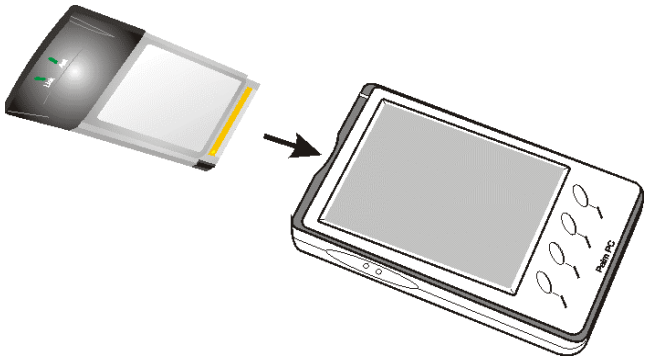
HARDWARE INSTALLATION

For PDA

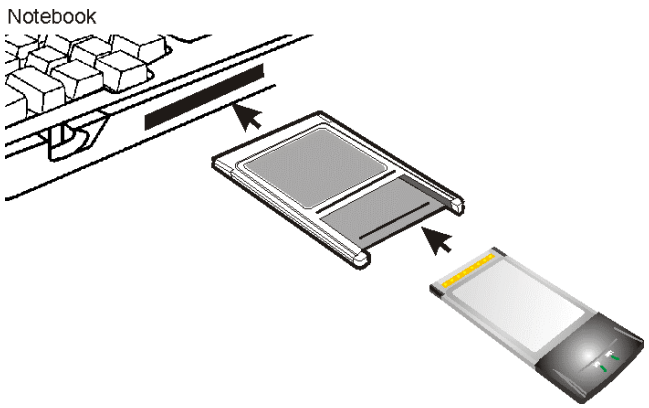
Insert the Wireless CF card into the Windows CE-based PDA by aligning the Wireless CF card toward the CF slot.



For Notebook PC

Note: This section is only for users who had CF to PCMCIA Adapter. Please refer to the manual for more details.

1. Plug the Wireless CF card into the PCMCIA Adapter. The Wireless CF card is then turning into a conventional PCMCIA type II PC Card.
2. Align the PC Card toward the PC Card slot with brand label facing upward, as shown below.



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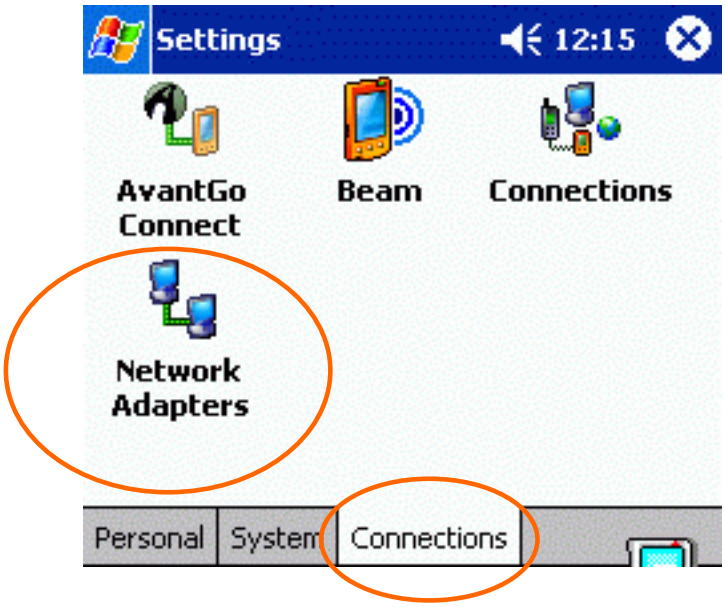
NETWORK CONNECTION FOR WINDOWS CE3.0

Once the driver has been installed, you must make some changes to your network settings.

1. Go to **Start → Settings → Connections**. Click on **Network Adapters**.



2. Highlight **PRISM 11Mbps Wireless LAN Adapter**, click **Properties**.

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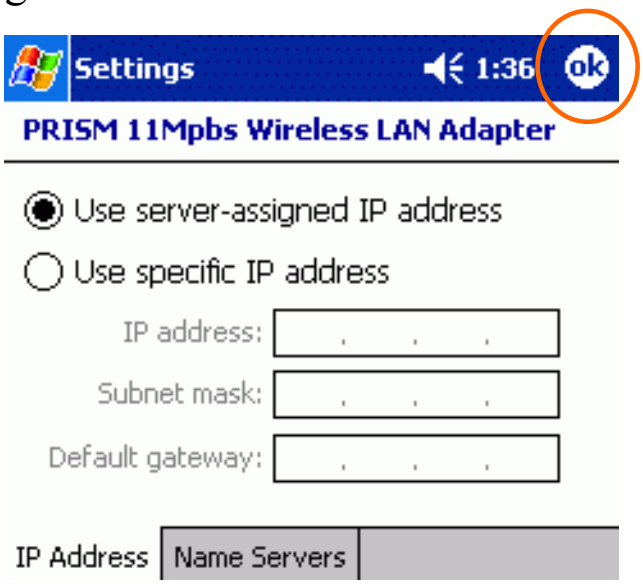
3. ⊙ Use server-assigned IP address

If your network supports DHCP, select **Use server-assigned IP address**. The IP address and other information will be automatically assigned. Then click **ok**.



⊙ Use server-assigned IP address

If your network does not support DHCP, select **Use specific IP address**. You may need to enter the IP address and other information. When you have finished entering settings, click **OK**.

If you forget to click **OK**, your settings will not take effect!

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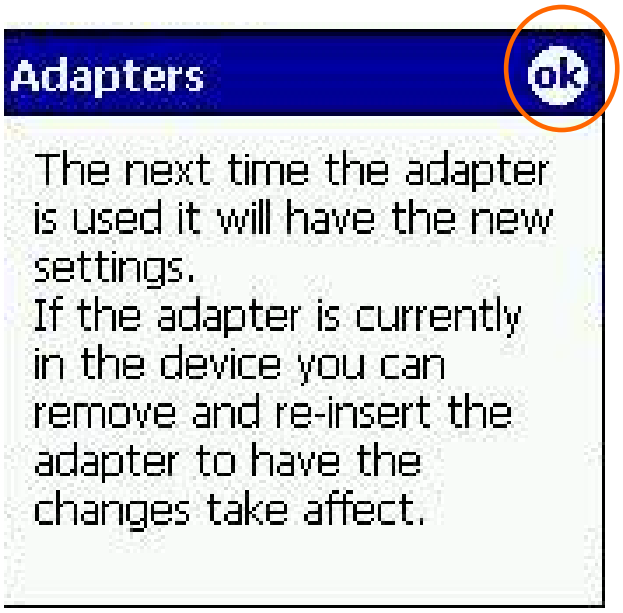
4. A message as below may appear saying you must remove and re-insert the Wireless CompactFlash Card to have the changes take affect. Click **OK**.


Adapters
ok
The next time the adapter is used it will have the new settings.
If the adapter is currently in the device you can remove and re-insert the adapter to have the changes take affect.

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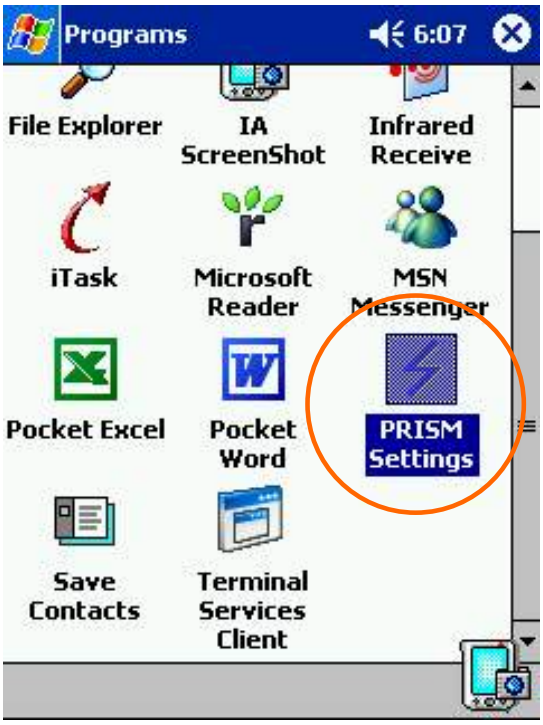
CONFIGURATION UTILITY FOR WINDOWS CE3.0

After installing the Wireless CompactFlash Card's driver successfully, go to **Start** → **Programs**. Click on **PRISM Settings**, the **Network Status** icon will appear in the task bar.



Network Status Icon & Icon Menu

The Status Icon

Icon	Link Status
	Green indicates a strong link.
	Yellow indicates a weak link.
	Red indicates no or a very poor link.

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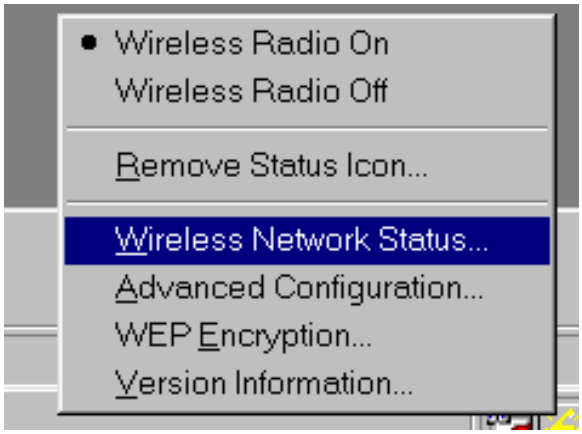
Icon Menu

After clicking on the icon, the icon menu as displayed below will prompt you to configure the Wireless CompactFlash Card.



Items	Description
Wireless Radio On	These two items allows you to enable or disable the wireless radio.
Wireless Radio Off	
Remove Status Icon…	Removes the Utility icon from the PDA's system tray. Each time you power on your PDA, the icon will reappear.
Wireless Network Status	Clicking these items will launch the **Wireless Settings** window, as described below.
Advanced Configuration…	
WEP Encryption…	
Version Information…	

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All settings are categorized into 5 tabs:

Link

Configuration

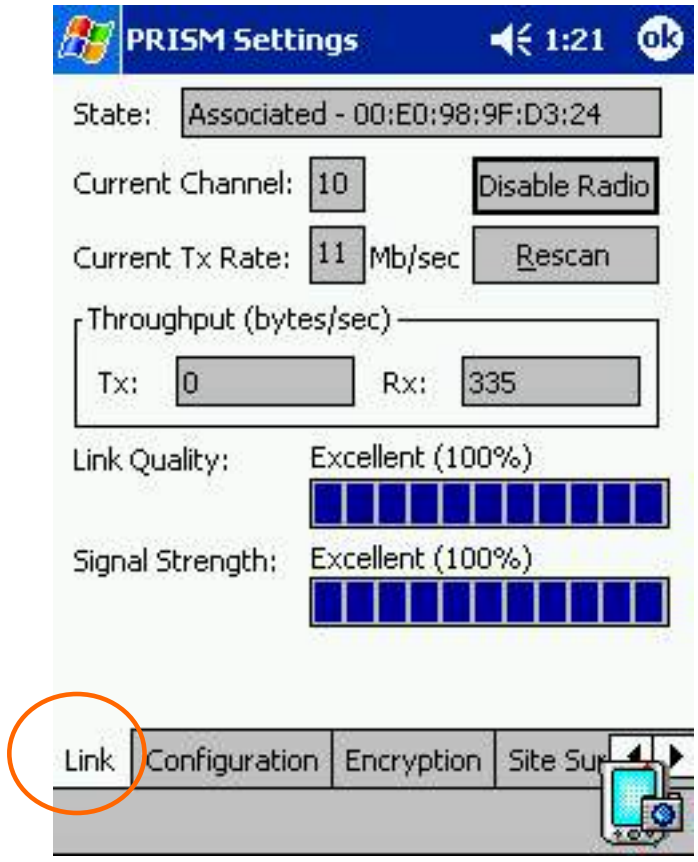
Encryption

Site Survey

About

Link

The **Link** tab provides you the status of the Wireless CompactFlash Card.



Item	Description
State	It displays the connection state of the Wireless CompactFlash Card with the wireless network.

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Item	Description
Current Channel	It displays the selected channel that is currently used. (There are 14 channels available, depends on the country.)
Enable Radio / **Disable Radio**	Click this button to enable/disable the wireless radio. The Wireless CompactFlash Card will connect/disconnect with the wireless network.
Rescan	Search for all available networks. Clicking on the button, the device will start to rescan.
Current Tx Rate	It displays the current transfer rate.
Throughput	It displays the transferring (Tx) and receiving (Rx) data rate in bytes per second.
Link Quality	It displays the link quality of the connection between the Wireless CompactFlash Card and the Access Point or Peer-to-Peer type it connects.
Signal Strength	It displays the signal strength of the connection between the Wireless CompactFlash Card and the Access Point or Peer-to-Peer type it connects.

Configuration

The **Configuration** tab allows to set parameters for the Wireless CompactFlash Card.

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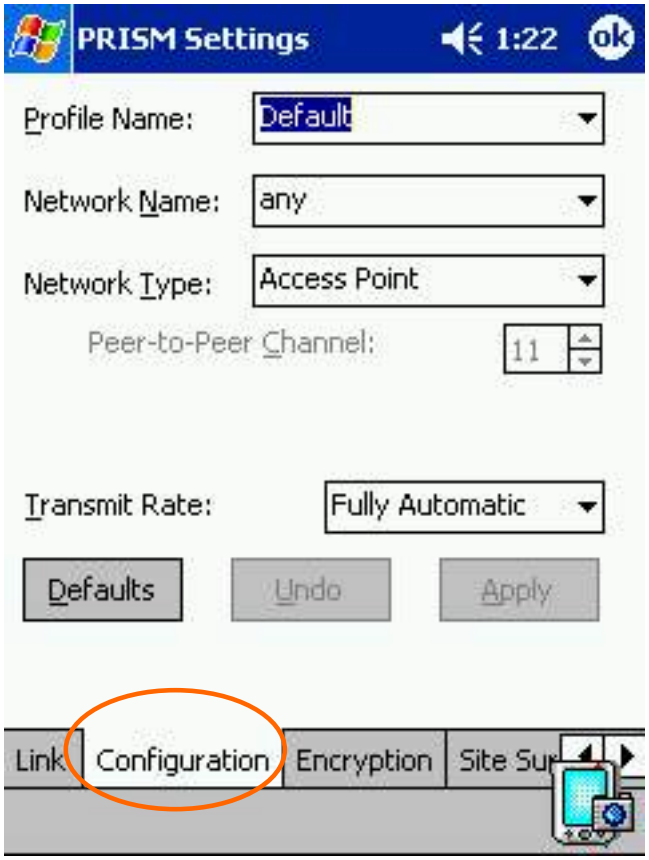

Item	Description
Profile Name	Saves values for all previous setting parameters. The **default** values contain the parameters configured at installation. Once the demands for switching between different networking environments are required, you can also set the additional profiles to eliminate the configuration time. To save the current parameters, highlight the Profile field, type a new name, and click on the **Apply** button.
Network Name	A specific name shared among connected Wireless CompactFlash Card, Access Points and other wireless stations on the wireless network. The name must be identical for all devices and points attempting to connect to the same network. The default name is **ANY**. To change the Network Name, simply enter a new name in the field.

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Item	Description
Network Type	It displays the type of BSS. **Access Point:** allows the Adapter to communicate with a wired network which employing an Access Point. **Peer-to-Peer:** allows PC-to-PC, station-to-station communication without employing an Access Point.
Peer-to-Peer Channel	To communicate with other Wireless CompactFlash Card, you must specify the same channel. Click the up and down arrow at the right of the Peer-to-Peer Channel to set the desired channel.
Transmit Rate	It displays the current transmit rate. **1Mb, 2Mb, Auto 1 or 2 Mb, 5.5Mb, 11Mb or Fully Automatic**)
Default	Clicks the button to restore to the default settings.
Undo	Click **Undo** to ignore the previous setting.
Apply	Click **Apply** to activate the settings.
ok	Click **OK** to save your changes.

Encryption

WEP (Wired Equivalent Privacy) encryption can be used to ensure the security of your wireless network.

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Item	Description
Encryption (WEP)	**WEP** is a data privacy mechanism based on a 64-bit/128-bit shared key algorithm. Under the drop-down box, you can choose to have WEP encryption **Disabled**, **64 bit**, or **128 bit**.
Create Keys with Passphrase	A Passphrase can be entered to generate four keys used for WEP. For the easiest configuration, the Passphrase method is recommended.
Create Keys Manually	These four fields can be used to enter WEP keys manually. The method is required to match the keys of other wireless devices on the existing network.
⊙ **Alphanumeric: 5 characters**	Click Alphanumeric if you are using an alphanumeric phrase.
⊙ **Hexadecimal: 10 digits (0-9, A-F)**	Click Hexadecimal if you are using a hexadecimal number.

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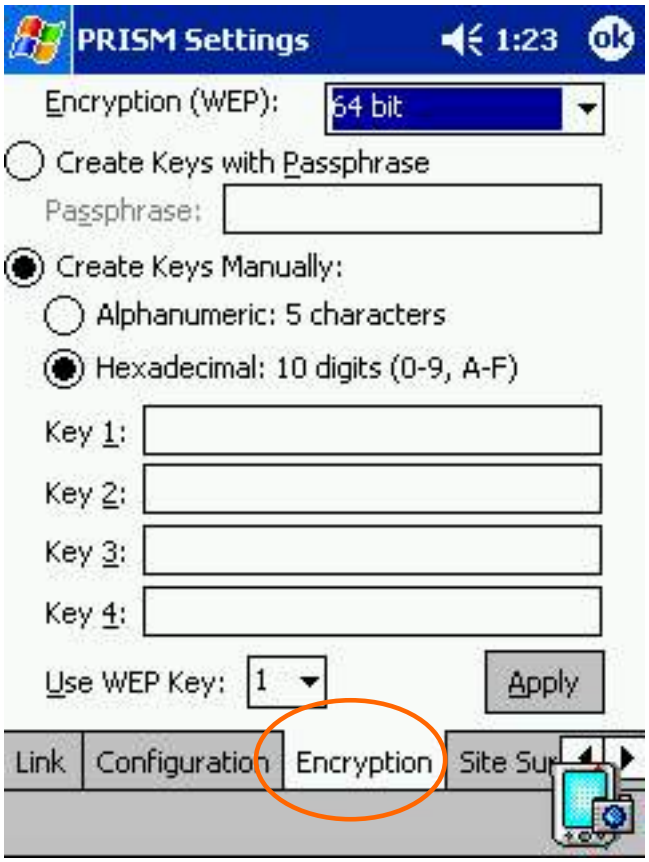
Key 1: **Key 2:** **Key 3:** **Key 4:**	This setting is the configuration key used in accessing the wireless network via WEP encryption.
Use WEP Key	The default key field can be used for specifying which of the four encryption keys to transmit data on the wireless network.
Apply	Click **Apply** to activate the settings.



You must use the same value/phrase and WEP key settings for all wireless computers in order for the wireless network to function well.

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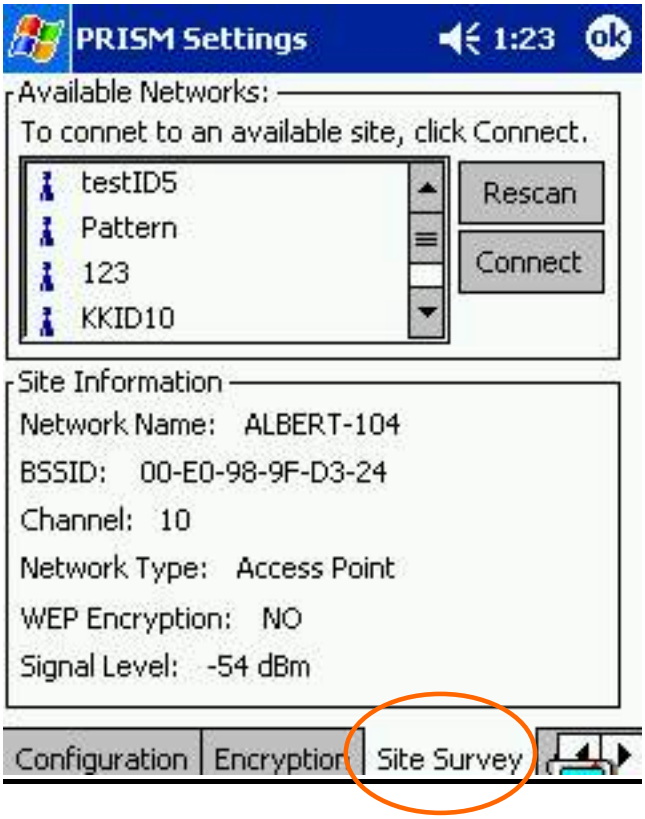
Site Survey

The **Site Survey** tab shows all the available Access Points or Peer-to-Peer types and their features.



Item	Description
Network Name	The name must be identical for all devices and points attempting to connect to the same network.
BSSID	A set of wireless stations is referred to as a Basic Service Set (BSS). Computers in a BSS must be configured with the same BSS ID.
Channel	It shows the selected channel that is currently used.
Network Type	It displays the type of BSS. **Access Point:** allows the Adapter to communicate with a wired network which employing an Access Point. **Peer-to-Peer:** allows PC-to-PC, station-to-station communication without employing an Access Point.

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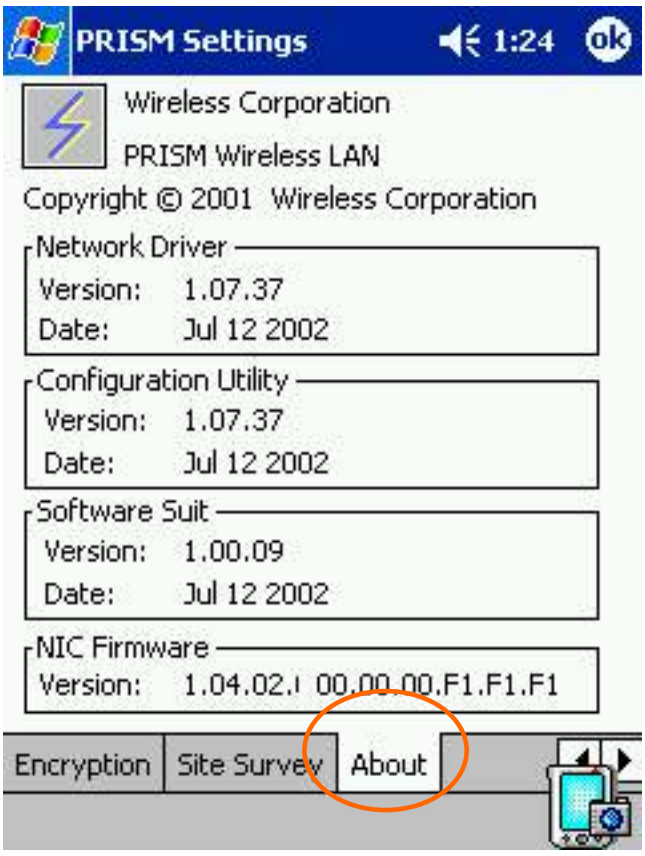
Item	Description
WEP Encryption	It displays the status of WEP Encryption.
Signal Level	It displays the signal strength of the connection between the Wireless CompactFlash Card and the Access Point it connects.
Rescan	Search for all available networks. Clicking on the button, the device will start to rescan and list all available sites.
Connect	To connect with a new access point, highlights the desired one in the left list box and clicks on the **Connect** button. Wait a while and the selected one will be marked as a current used access point.

About

The **About** tab shows the information and version of the Configuration Utility.



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